

DESCRIPTION

Species Reactivity	Human/Primate
Specificity	Detects human and primate BMP-4 in direct ELISAs and Western blots. Does not cross-react with recombinant human BMP-2, -3, -5, -6, or -7.
Source	Monoclonal Mouse IgG ₁ Clone # 66108
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human BMP-4 Ser293-Arg408 Accession # P12644
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human BMP-4 (Catalog # 314-BP)
Human/Primate BMP-4 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human/Primate BMP-4 Antibody (Catalog # MAB7571)
ELISA Detection	0.5-2.0 µg/mL	Human/Primate BMP-4 Biotinylated Antibody (Catalog # BAM7572)
Standard		Recombinant Human BMP-4 (Catalog # 314-BP)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

BMP-4 is one of at least 20 structurally and functionally related BMPs which are members of the TGF-β superfamily. Biologically active BMP-4 is a disulfide-linked homodimer of the carboxy-terminal domain. The morphogenetic effects of BMP-4 on various tissues are mediated by type I and type II BMP receptors.